

WHAT IS CLAIMED IS:

1. A pharmaceutical composition comprising an immunogenic A β fragment linked to a carrier molecule to form a conjugate, wherein the carrier molecule promotes an immune response comprising antibodies to the A β fragment.
2. The composition of claim 1, wherein the A β fragment is from the N-terminal half of A β .
3. The composition of claim 2, wherein the A β fragment is A β 1-5.
4. The composition of claim 3, wherein A β 1-5 consists of the first five N-terminal amino acids of SEQ ID NO:1.
5. The composition of claim 2, wherein the A β fragment is A β 1-6.
6. The composition of claim 5, wherein A β 1-6 consists of the first six N-terminal amino acids of SEQ ID NO:1.
7. The composition of claim 2, wherein the A β fragment is A β 1-12.
8. The composition of claim 7, wherein A β 1-12 consists of the first 12 N-terminal amino acids of SEQ ID NO:1.
9. The composition of claim 1, wherein the carrier molecule is a diphtheria toxoid.
10. The composition of claim 9, wherein the diphtheria toxoid is CRM 197.
11. The composition of claim 2, wherein the carrier molecule is a diphtheria toxoid.
12. The composition of claim 11, wherein the diphtheria toxoid is CRM 197.
13. The composition of claim 12, wherein the A β fragment is A β 1-5.

14. The composition of claim 13, wherein A β 1-5 consists of the first five N-terminal amino acids of SEQ ID NO:1.
15. The composition of claim 12, wherein the A β fragment is A β 1-6.
16. The composition of claim 15, wherein A β 1-6 consists of the first six N-terminal amino acids of SEQ ID NO:1.
17. The composition of claim 12, wherein the A β fragment is A β 1-12.
18. The composition of claim 17, wherein A β 1-12 consists of the first 12 N-terminal amino acids of SEQ ID NO:1.
19. The composition of claim 1, which comprises greater than 10 μ g of the A β fragment.
20. The composition of claim 1, which comprises at least 20 μ g of the A β fragment.
21. The composition of claim 1, which comprises at least 50 μ g of the A β fragment.
22. The composition of claim 1, which comprises at least 100 μ g of the A β fragment.
23. The composition of claim 10, which comprises greater than 10 μ g of the A β fragment.
24. The composition of claim 10, which comprises at least 20 μ g of the A β fragment.
25. The composition of claim 10, which comprises at least 50 μ g of the A β fragment.
26. The composition of claim 10, which comprises at least 100 μ g of the A β fragment.

27. The composition of any one of claims 2, 3, 5, or 7, which comprises greater than 10 µg of the A β fragment.
28. The composition of any one of claims 2, 3, 5, or 7, which comprises at least 20 µg of the A β fragment.
29. The composition of any one of claims 2, 3, 5, or 7, which comprises at least 50 µg of the A β fragment.
30. The composition of any one of claims 2, 3, 5, or 7, which comprises at least 100 µg of the A β fragment.